WHAT IS CLAIMED IS:

1. A picture data reproducing apparatus which reproduces compressed picture data recorded to a recording medium according the MPEG standard, the apparatus comprising:

a storage means for storing compressed picture data read from a recording medium;

an STC generating means for generating, for a normal-speed reproduction, STC (STC_d) sequentially from a set initial value, wherein the STC (STC_d) is delayed a fixed time (System_delay) from STC (STC_medium) of the compressed picture data read from the recording medium;

a read control means for sequentially reading compressed picture data stored in the storage means on the basis of STC_d generated by the STC generating means; and a decoding means for decoding the compressed picture data read by the read control means to generate picture data for display;

the STC generating means setting, at shift from a variable-speed reproduction to normal-speed reproduction, the initial value on the basis of a result of comparison between PTS (PTS_s) of the display picture data at the shift and STC_medium at the shift – (amount of delay due to the shift (shift_delay) + System_delay).

2. The apparatus as set forth in claim 1, wherein the STC generating means sets the initial value as "STC_medium at the time of shift - (shift_delay + System_delay)" at the shift from the variable-speed reproduction to normal-speed

reproduction when the following requirement is met:

PTS_s ≥ {STC_medium at the time of shift - (shift_delay + System_delay)}

- 3. The apparatus as set forth in claim 2, further comprising a shifting means for shifting the recording medium reproduction mode from the variable-speed reproduction to normal-speed reproduction at a time set as the initial value by the STC generating means in units of a picture or in units of a GOP (group of pictures).
- 4. The apparatus as set forth in claim 1, wherein the STC generating means sets the initial value as PTS_s at the shift from the variable-speed reproduction to normal-speed reproduction when the following requirement is met:

5. The apparatus as set forth in claim 4, further comprising a shifting means for shifting the recording medium reproduction mode from the variable-speed reproduction to normal-speed reproduction in units of a picture or in units of a GOP (group of pictures) at a time delayed a time "adjust_delay" defined as given below from a time when the STC generating means sets the initial value:

6. The apparatus as set forth in claim 1, further comprising a TS packetizing means for TS-packetizing of only compressed picture data to be

reproduced in the normal-speed reproduction mode.

7. A picture data reproducing method of reproducing compressed picture data recorded to a recording medium according the MPEG standard, the method comprising the steps of:

storing compressed picture data read from a recording medium;

generating, for a normal-speed reproduction, STC (STC_d) sequentially from a set initial value, wherein the STC (STC_d) is delayed a fixed time (System_delay) from STC (STC_medium) of the compressed picture data read from the recording medium;

sequentially reading compressed picture data stored in the storage means correspondingly STC_d generated by the STC generating means; and

decoding the compressed picture data read by the read control means to generate picture data for display;

in the STC generating step, the initial value being set at shift from a variable-speed reproduction to normal-speed reproduction on the basis of a result of comparison between PTS (PTS_s) of the display picture data at the shift and STC_medium - (amount of delay due to the shift (shift delay) + System delay).

8. The method as set forth in claim 7, wherein in the STC generating step, there is set the initial value as "STC_medium at the time of shift - (shift_delay + System_delay)" at the shift from the variable-speed reproduction to normal-speed reproduction when the following requirement is met:

- PTS_s ≥ {STC_medium at the time of shift (shift_delay + System_delay)}
- 9. The method as set forth in claim 8, further comprising a shifting step of shifting the recording medium reproduction mode from the variable-speed reproduction to normal-speed reproduction at a time set as the initial value in the STC generating step in units of a picture or in units of a GOP (group of pictures).
- 10. The method as set forth in claim 7, wherein in the STC generating step, there is set the initial value as PTS_s at the shift from the variable-speed reproduction to normal-speed reproduction when the following requirement is met:

11. The method as set forth in claim 10, further comprising a shifting step of shifting the recording medium reproduction mode from the variable-speed reproduction to normal-speed reproduction in units of a picture or in units of a GOP (group of pictures) at a time delayed a time "adjust_delay" defined as given below from a time when in the STC generating step, there is set the initial value:

12. The method as set forth in claim 7, further comprising a TS packetizing step of TS-packetizing of only compressed picture data to be reproduced in the normal-speed reproduction mode.